

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)	Docket Number (Optional)	Application Number
	MSA247	
	Applicant HANNS RUMP ET AL.	
	Filing Date	Group Art Unit

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
6	4049707	SEP 1977	HARTER JOSEPH WILLIAM et al	/	/	
6	4737885	APR 1988	AKUTSU KENSUKE	/	/	
6	3954586	MAY 1976	LOWTHER FRANK EUGENE	/	/	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
6	3424889	FEB 1986	GERMANY	/	/		
6	0537613	APR 1993	EUROPEAN PATENT OFFICE	/	/		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

6	PATENT ABSTRACTS OF JAPAN (NICHIMEN DENSHI R. & AMP. DKK)
	VOL. 1997 No. 03 MARCH 31, 1997 & JP 08310801A NOV. 26, 1996 ABSTRACT
6	PATENT ABSTRACTS OF JAPAN VOL. 1996 No. 07, JULY 31, 1996 & JP 08 081205 A
	(TOSHIBA CORP) MARCH 26, 1996 ABSTRACT
6	PATENT ABSTRACTS OF JAPAN VOL. 014 No. 453 (C-0764) SEPTEMBER 28, 1990
	& JP 02180703A (NORITAKE CO LTD) JULY 13, 1990 ABSTRACT

EXAMINER

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